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A. KNAUS.

SAFETY CATCH FOR BADGES, BROOCHES, OR THE LIKE.

(Application filed July 29, 1901.)

(No Model.)

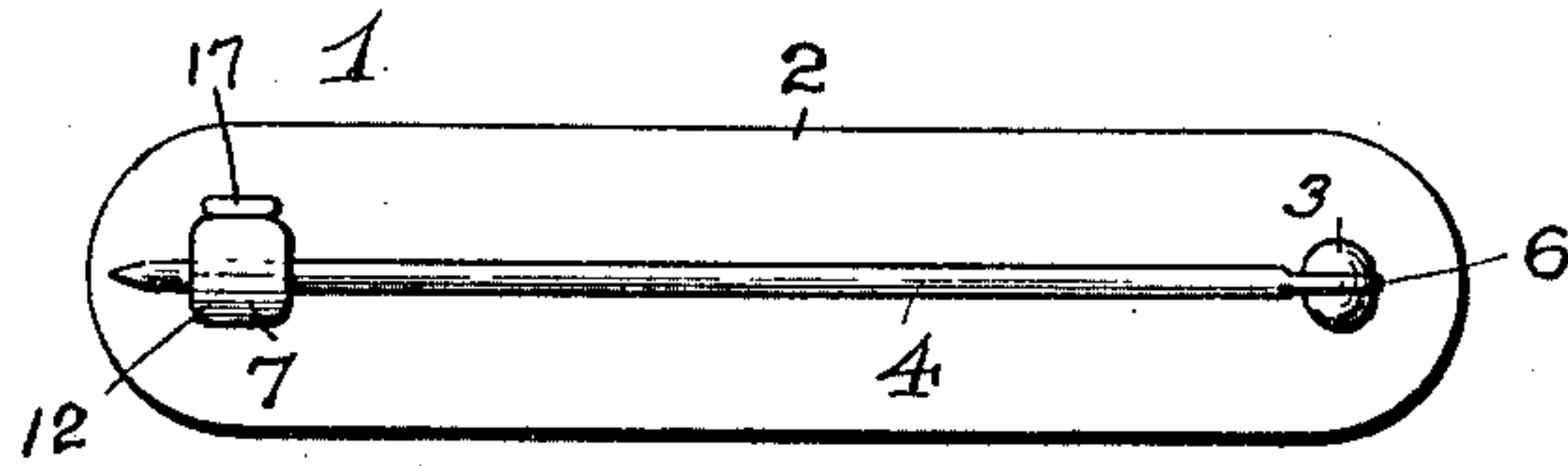


FIG. 1

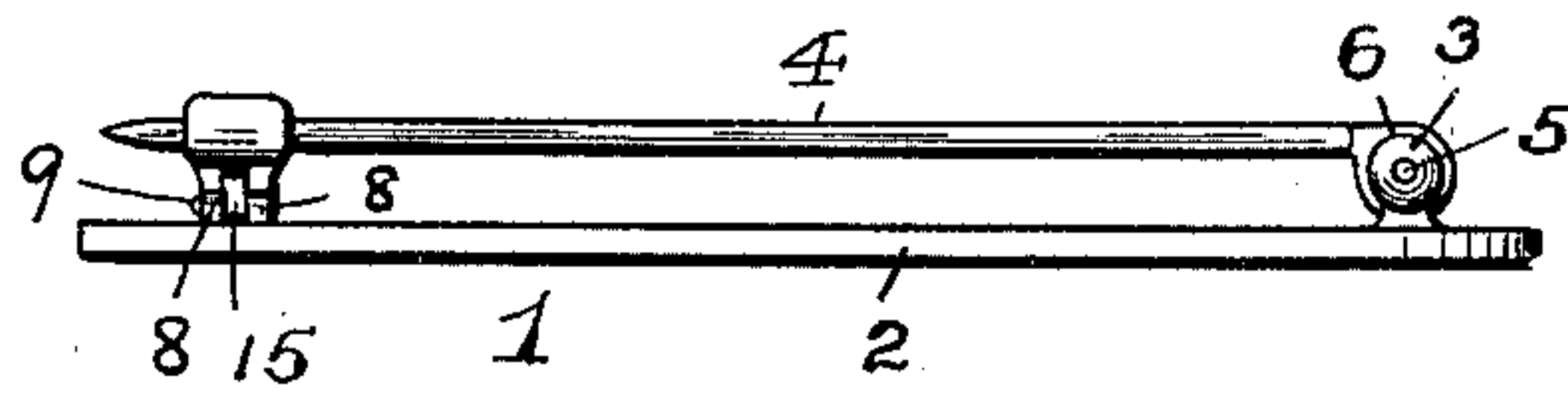


FIG. 2

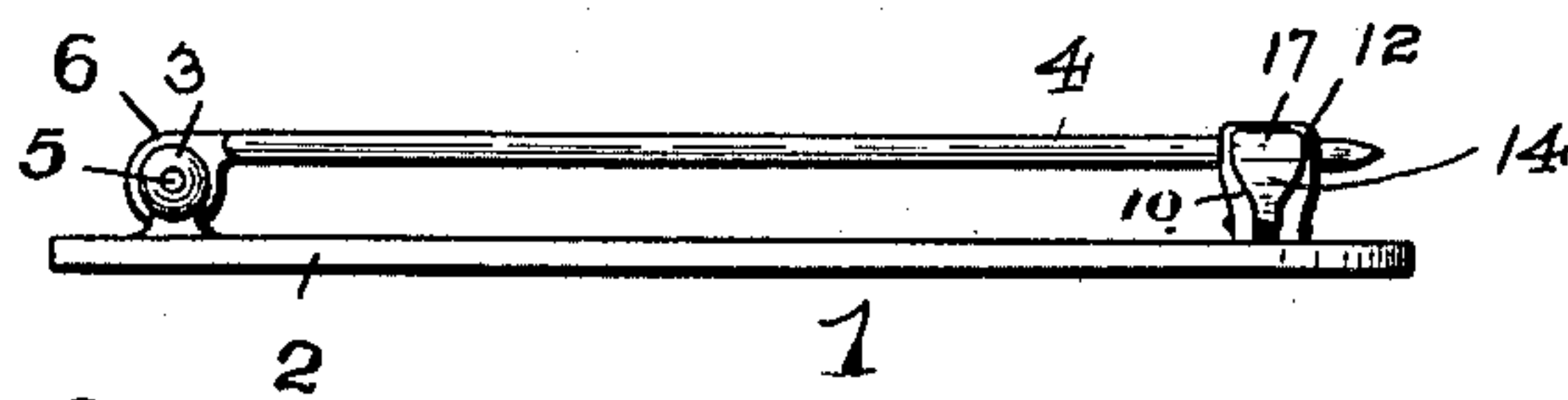


FIG. 3

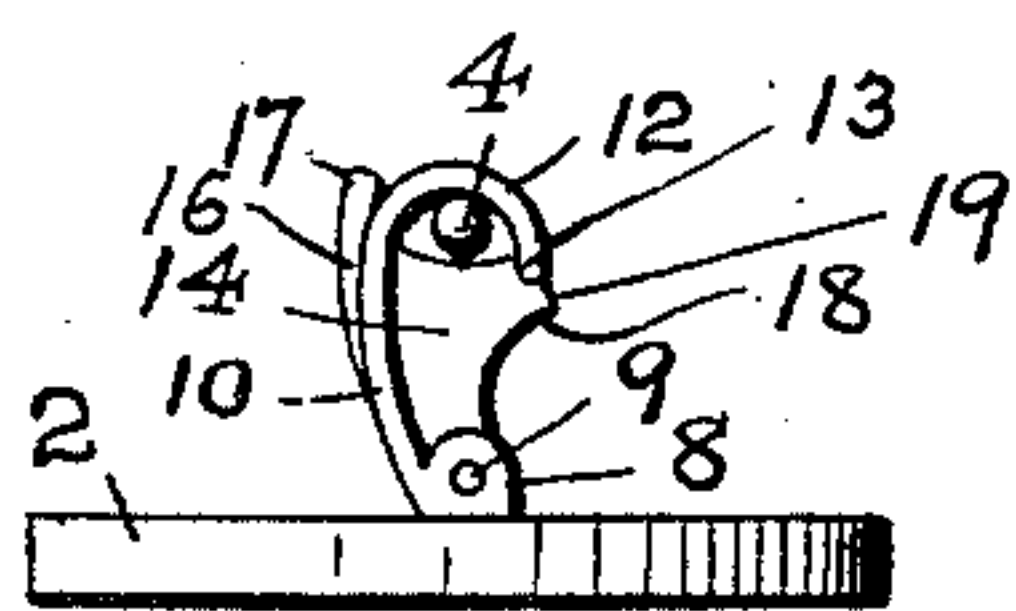


FIG. 4

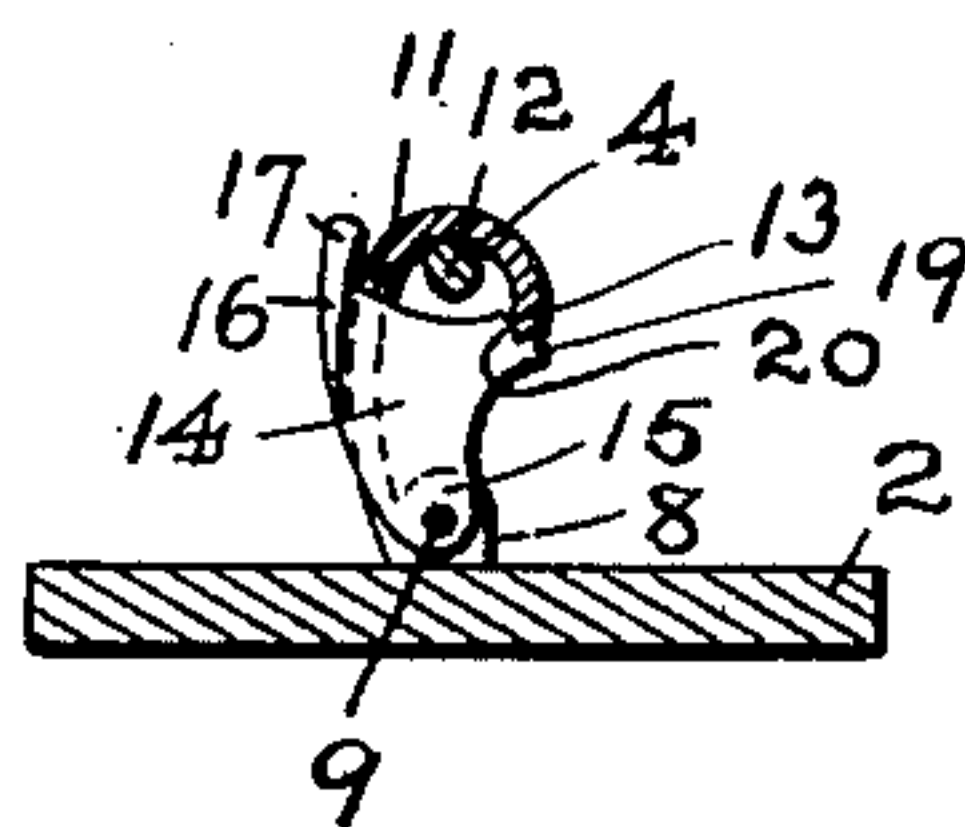


FIG. 5

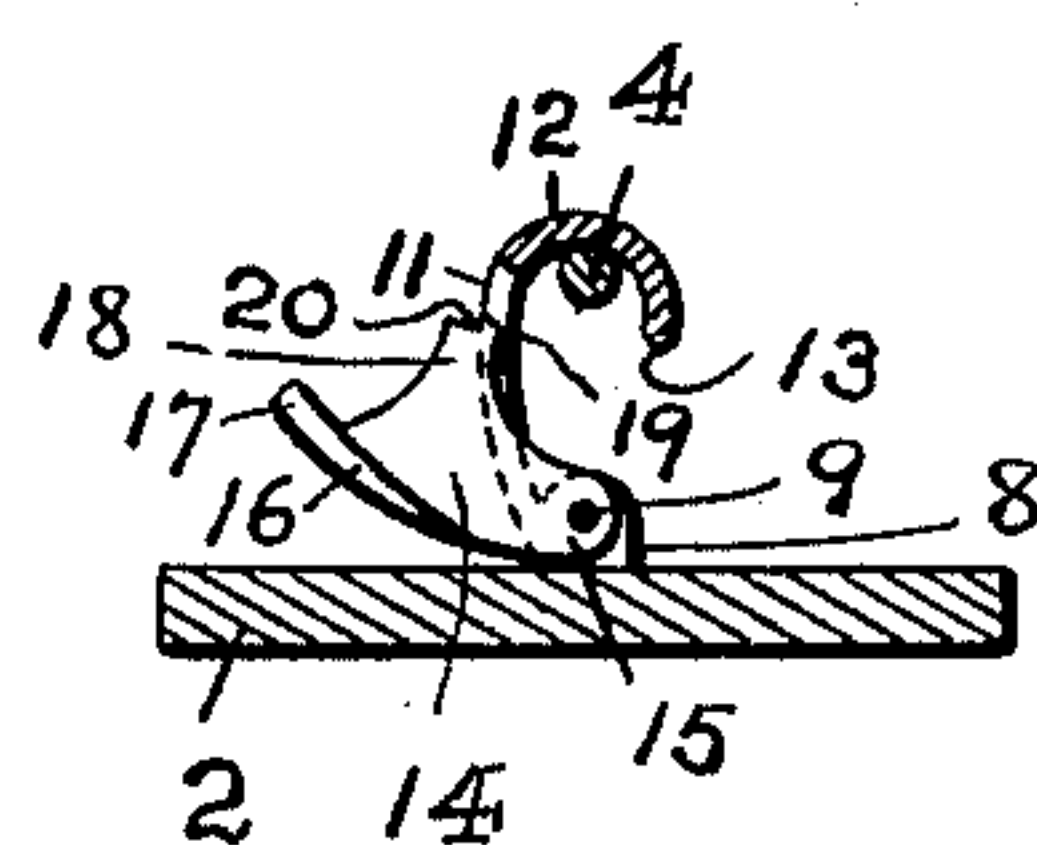


FIG. 6

WITNESSES:

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AUGUST KNAUS, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO HERPERS BROS., OF NEWARK, NEW JERSEY, A FIRM COMPOSED OF HENRY HERPERS AND HARRY F. HERPERS.

SAFETY-CATCH FOR BADGES, BROOCHES, OR THE LIKE.

SPECIFICATION forming part of Letters Patent No. 688,099, dated December 3, 1901.

Application filed July 29, 1901. Serial No. 70,043. (No model.)

To all whom it may concern:

Be it known that I, AUGUST KNAUS, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Safety-Catches for Badges, Brooches, or the Like; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to figures of reference marked thereon, which form a part of this specification.

The present invention has reference generally to badges, breastpins, brooches, or other similar articles; and the invention relates more particularly to a novel locking or holding means to be employed in connection with the pin of the article and which acts as a safety catch or lock to retain the pin in its closed position in the pin-guard against displacement from the said guard while the article is attached to and is worn upon a garment.

The invention has for its principal objects to provide an improved piece of jewelry in the form of a badge, breastpin, brooch, or the like having a novel construction of safety catch or lock principally made in the manner to be hereinafter more fully set forth and which shall be of a simple and cheap construction and can be most readily manipulated.

The invention therefore consists in the improved article of jewelry—such as a badge, breastpin, or brooch—provided with a safety catch or lock for retaining the pin in its closed position in the pin-guard, all of which will be described in detail in the following specification and then finally embodied in the clauses of the claim, which are appended to and form a part of this specification.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 is a back view of a badge or brooch provided with a safety catch or lock for the pin thereof made according to and embodying the principles of my invention, and Figs. 2 and 3 are the two side edge views of the same, the said three views illustrating the pin in its

closed position and held or locked in the pin-guard by means of the safety catch or lock. Fig. 4 is an end view, on an enlarged scale, of the badge or brooch, representing in elevation the pin-guard and the safety-catch in locked engagement with a portion of the said pin-guard for retaining the pin in its closed position. Fig. 5 is a vertical cross-section through the badge, the pin-guard, and the pin, illustrating also in side elevation the safety-catch in its locked engagement with the pin-guard; and Fig. 6 is a similar view of the same parts, with the safety-catch in its disengaged relation with the pin-guard to permit the removal of the pin from the pin-guard.

Similar figures of reference are employed in all of the said above-described views to indicate corresponding parts.

In the said drawings the reference character 1 indicates the complete piece of jewelry—such as a badge, breastpin, brooch, or the like—the same consisting, essentially, of a suitable blank or face-plate, as 2, which may be suitably ornamented upon its face and may be of any desired ornamental configuration in outline, as will be clearly understood. Suitably arranged and secured upon the back of the said blank or plate 2 is any well-known form of pivotal support, as 3, provided with a pin 5, upon which the perforated end 6 of a pin 4 is pivotally arranged, as will be clearly seen from an inspection of Figs. 1, 2, and 3 of the drawings.

The lock attachment for retaining the pointed end portion of the pin in its closed relation within the pin-guard consists, essentially, of the pin-guard 7, which is suitably secured at the bottom to the rear face of the blank or plate 2 by being soldered fast to the said face or by securing it in any other manner upon said face. At or near the lower portion the said guard 7 is formed with a pair of oppositely-arranged bearings 8, in which I have secured a pin 9, as clearly represented in Figs. 4, 5, and 6. The main body of this pin-guard 7 is preferably made curved, as at 10, (see Fig. 4,) the said curved body being provided with a slot 11, which extends from between the two oppositely-placed bearings 8 in an upward direction to a point near the top of the guard, where the said guard is formed

with a forwardly and downwardly extending hook end 12, beneath which the pointed end portion of the pin 4 is sprung, all of which is fully illustrated in Figs. 5 and 6. As represented in the several figures of the drawings, the free edge of the hook portion or end 12 of the pin-guard is preferably made inclined, as at 13, so as to provide a sharp edge for the purposes to be presently more fully described.

10 Pivotaly arranged upon the said pin 9, hereinabove mentioned, and movable within the said slot 11 is the safety-catch, which when in engagement with the pin-guard will securely retain the pin 4 of the badge, brooch, or the like in its held or locked position in the said guard. This safety-catch consists, essentially, of a suitably-formed plate 14, having a lower perforated eye portion 15, by means of which it can be pivotaly secured upon the

20 pin 9 between the two bearings 8. The said plate 14 is, furthermore, provided with a pair of laterally-extending rib-like projections 16, which terminate in an upwardly-extending finger-piece 17, substantially as shown. Upon

25 a forwardly-extending part 18 of the said plate 14 is a holding-lug 19 and an offset 20, the angular arrangement of the said lug 19 and offset 20 being such that when the plate 14 is forced into the slot 11 from its open position (indicated in Fig. 6) to the closed position (represented in Figs. 4 and 5) the said

30 lug 19 strikes the lower edge of the hook portion or end 12 of the pin-guard, the latter, owing to the spring action of the metal, being readily forced over the lug 19 and jumped into the angular offset 20, whereby the said parts are securely locked and hold the previously-placed pin in its position within the pin-guard against displacement.

40 When the finger-piece 17 is pushed in an outward direction by the wearer of the badge or brooch from the position represented in Fig. 5 to that illustrated in Fig. 6, the offset 20 and the lug 19 are forced from their locked engagement with the lower edge of the hook

45 portion 12 of the pin-guard, which permits the operator to displace the pin 4 from beneath the pin-guard, to remove the badge or brooch from the garment, as will be clearly understood.

From the above description it will be clearly evident that I have devised a simple and cheap as well as an operative construction for the purposes hereinabove fully set

55 forth, whereby a safety-catch is provided which can be put to various uses for locking the pin of a badge, breastpin, brooch, or earrings in its closed position against displacement, and, in fact, the construction of safety-catch herein described may be put to many other uses.

I am aware that some changes may be made in the arrangements and combinations of the various parts without departing from the

65 scope of this invention. Hence I do not limit my invention to the exact arrangements and combinations of the parts as described

in this specification and as illustrated in the accompanying drawings, nor do I confine myself to the exact details of the construction of the said parts.

Having thus described my invention, what I claim is—

1. In an article of jewelry, as a badge, brooch, or the like, the combination, with the fastening-pin, of a slotted pin-guard having a hook end beneath which the said pin can be forced, the said pin-guard being provided with a bearing, and a safety catch-plate pivoted to said bearing, said catch-plate passing through said slotted pin-guard and being provided with means adapted to be brought in forcible holding engagement with the free edge of the said hook end of the pin-guard, a pair of laterally-extending projections on said catch-plate, and a finger-piece connected with said projections for causing the disengagement of the said catch-plate with the said hook end of the pin-guard, substantially as and for the purposes set forth.

2. In an article of jewelry, as a badge, brooch, or the like, the combination, with the fastening-pin, of a pin-guard having a hook end beneath which the said pin can be forced, a bearing in said pin-guard, and a safety catch-plate pivoted to said bearing, provided with a lug 19 and an offset 20 adapted to be brought in forcible holding engagement with the free edge of the said hook end of the pin-guard, substantially as and for the purposes set forth.

3. In an article of jewelry, as a badge, brooch, or the like, the combination, with the fastening-pin, of a pin-guard having a hook end beneath which the said pin can be forced, a bearing on said pin-guard, and a safety catch-plate pivoted to said bearing, provided with a lug 19 and an offset 20 adapted to be brought in forcible holding engagement with the free edge of the said hook end of the pin-guard, and a finger-piece upon the said catch-plate for causing the disengagement of the said catch-plate with the said hook end of the pin-guard, substantially as and for the purposes set forth.

4. In an article of jewelry, as a badge, brooch, or the like, the combination, with the fastening-pin, of a slotted pin-guard having a hook end beneath which the said pin can be forced, a pair of bearings connected with said pin-guard, a pin in said bearings, and a safety catch-plate pivotaly arranged on said pin, said catch-plate passing through said slotted pin-guard and being provided with means adapted to be brought in forcible holding engagement with the free edge of the said hook end of the pin-guard, a pair of laterally-extending projections on said catch-plate, and a finger-piece connected with said projections for causing the disengagement of the said catch-plate with the said hook end of the pin-guard, substantially as and for the purposes set forth.

5. In an article of jewelry, as a badge, brooch, or the like, the combination, with the

fastening-pin, of a pin-guard having a hook
end beneath which the said pin can be forced,
a pair of bearings connected with said pin-
guard, a pin in said bearings, the said pin-
5 guard being provided with a slot extending
in a vertical direction from between the said
bearings, a safety catch-plate pivotally ar-
ranged on said pin in said bearings, and ex-
tending into said slot, said catch-plate being
10 provided with a lug 19 and an offset 20 adapt-
ed to be brought in forcible holding engage-
ment with the free edge of the said hook end
of the pin-guard, substantially as and for the
purposes set forth.

15 6. In an article of jewelry, as a badge,
brooch, or the like, the combination, with the
fastening-pin, of a pin-guard having a hook
end beneath which the said pin can be forced,
a pair of bearings connected with said pin-
20 guard, a pin in said bearings, the said pin-

guard being provided with a slot extending
in a vertical direction from between the said
bearings, a safety catch-plate pivotally ar-
ranged on said pin in said bearings and ex-
tending into said slot, said catch-plate being 25
provided with a lug 19 and an offset 20 adapt-
ed to be brought in forcible holding engage-
ment with the free edge of the said hook end
of the pin-guard, and a finger-piece upon the
said catch-plate for causing the disengage- 30
ment of the said catch-plate with the said hook
end of the pin-guard, substantially as and for
the purposes set forth.

In testimony that I claim the invention set
forth above I have hereunto set my hand this 35
26th day of July, 1901.

AUGUST KNAUS.

Witnesses:

ARTHUR BOSWELL,
ISADORE EISEMAN.